SIEMENS

## Data sheet 6GT2891-4EH50

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| **product type designation** | **Cable RS422, wire end sleeves / M12** |
| product description | Highly flexible communication line (6-core) |
| | SIMATIC RF, MV plug-in cable, with bare end, between ASM 475 and reader, or 24 V cable for RF61XR, RF650R, RF68XR, PUR, trailing, length 5 m. |

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| suitability for use | Plug-in cable for connecting a reader to the ASM 475 communication module or 24V power supply of the RF61xR, RF650R and RF68xR readers |
| cable designation | L-YC11Y 6x1x0.25 6x24AWG CM |
| wire length | 5 m |
| **electrical data** | |
| number of electrical connections | 2 |
| type of electrical connection | wire end sleeves (labeled) / M12 (female, 8 pin, straight) |
| loop resistance per length / maximum | 160 mΩ/m |
| insulation resistance coefficient | 20 GΩ·m |
| operating voltage | |
| ● maximum | 300 V |
| **mechanical data** | |
| number of electrical cores | 6 |
| design of the shield | Braided shield made of tin-plated copper wires |
| outer diameter | |
| ● of cable sheath | 5.4 mm |
| symmetrical tolerance of the outer diameter / of cable sheath | 0.2 mm |
| material | |
| ● of the wire insulation | PVC |
| ● of cable sheath | PUR |
| color | |
| ● of the insulation of data wires | DIN 47100 |
| ● of cable sheath | Black |
| bending radius | |
| ● with single bend / minimum permissible | 21.6 mm |
| ● with multiple bends / minimum permissible | 43 mm |
| ● with continuous bending | 75 mm |
| number of bending cycles | 3000000 |
| tensile load / maximum | 200 N |
| weight per length | 45 kg/km |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -30 ... +80 °C |
| ● during storage | -30 ... +80 °C |
| ● during transport | -30 ... +80 °C |
| ● during installation | -30 ... +80 °C |
| fire behavior | flame resistant according to IEC 60332-1-2 |
| class of burning behaviour / according to EN 13501-6 | Eca |

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| chemical resistance | |
| ● to mineral oil | resistant |
| ● to grease | resistant |
| radiological resistance / to UV radiation | resistant |
| **product features, product functions, product components / general** | |
| product feature | |
| ● halogen-free | No |
| ● silicon-free | Yes |
| **standards, specifications, approvals** | |
| UL/ETL listing / 300 V Rating | Yes; CM (only cable without plug) |
| certificate of suitability | |
| ● EAC approval | Yes |
| reference code | |
| ● according to IEC 81346-2 | WG |
| ● according to IEC 81346-2:2019 | WGB |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

**Approvals / Certificates**

| General Product Approval | EMV | Environment |
|---|---|---|
| CE EG-Konf. UKCA CCC EAC | KC | Confirmation |

**last modified:** 8/8/2024